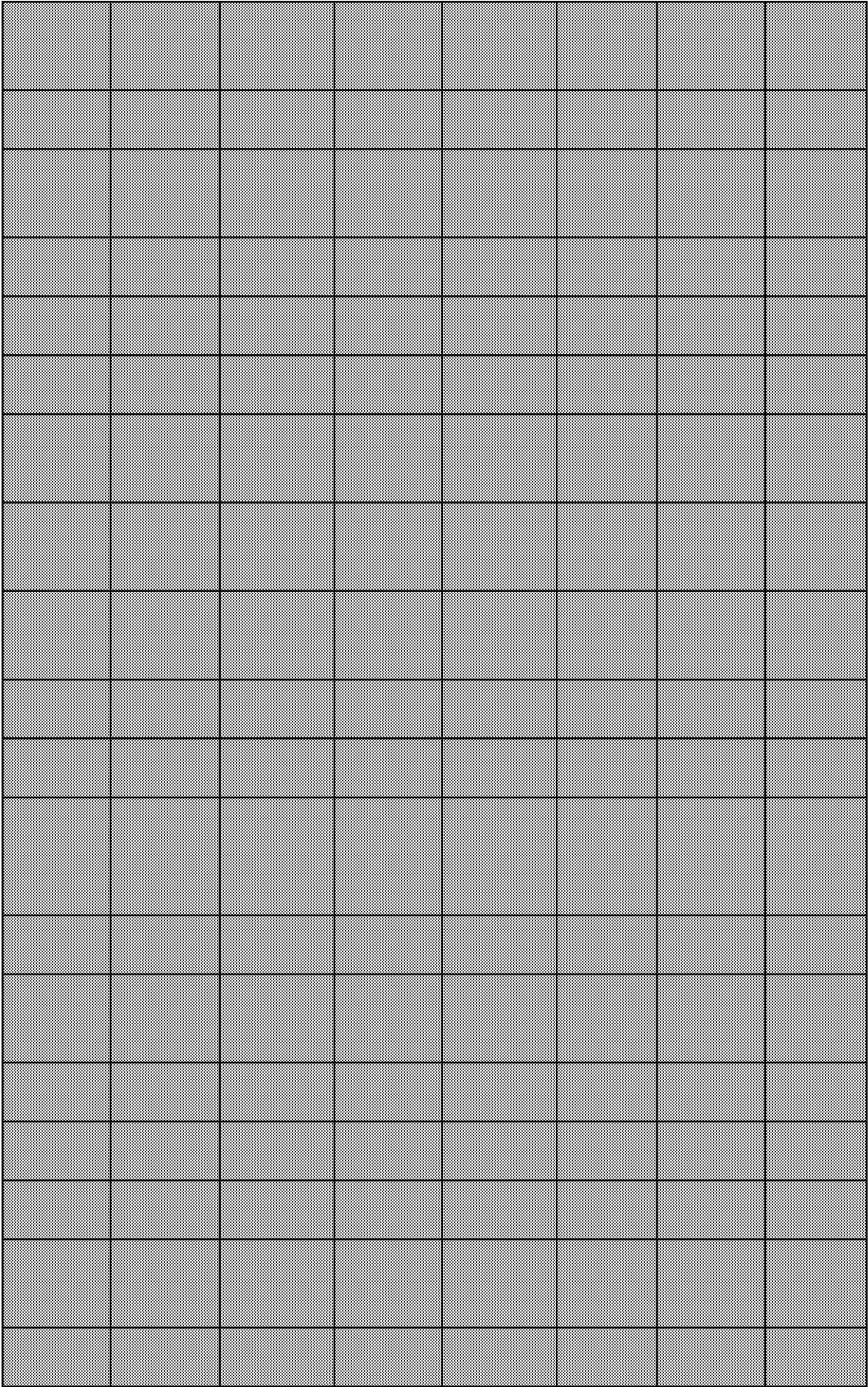


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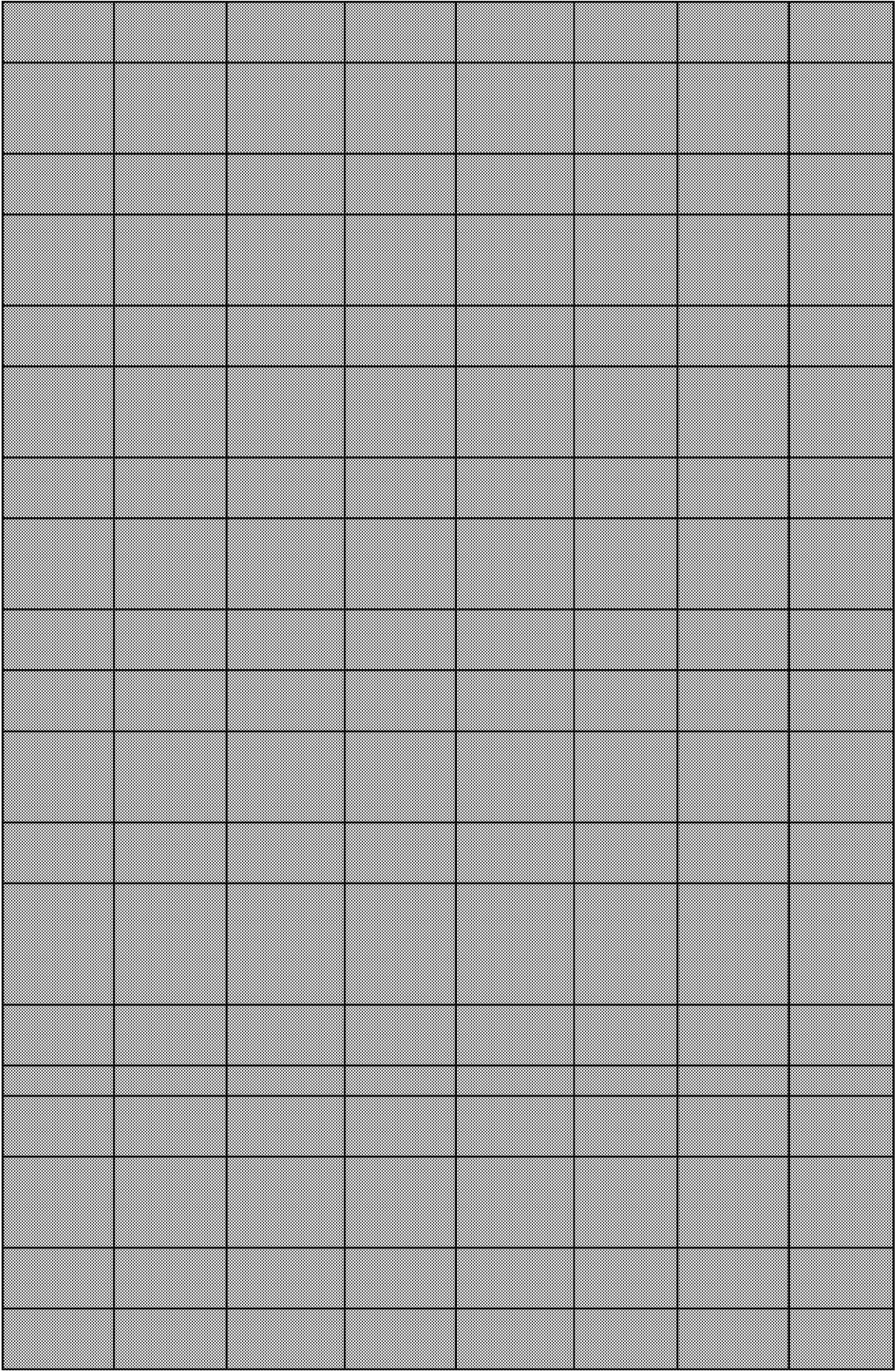
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In the present study we test whether variation in resistance to paraquat (PQ), a free radical generator, correlates with va
Previously, we have pioneered <i>Drosophila melanogaster</i> as a reductionist model to show that 1-octen-3-ol, a musty-smel
Background: The oxidative stress theory of life-history tradeoffs states that oxidative stress caused by damaging free radi
Recent studies have shown that phenolic compounds present in yerba mate have antioxidant defense properties. To veri
Exposure to Paraquat and RNA interference knockdown of mitochondrial superoxide dismutase (Sod2) are known to resu
The guava fruit, <i>Psidium guajava</i> var. <i>pomifera</i> (Myrtaceae family), is a native plant from South America. Its leaves and fr
In the present study, we cloned and sequenced the mRNAs of the Sod3 [extracellular Cu Zn SOD (superoxide dismutase)]
Quercetin-3-O-alpha-L-rhamnopyranosyl(1 -> 2)-O-alpha-L-rhamnopyranoside (QDR) was isolated from the remaining un
Aging is a process of progressive decline in physiological functions resulting in increased vulnerability to diseases and dea
<i>Eugenia uniflora</i> L. (Myrtaceae family), also known as "pitanga", is a tree species widely used in popular medicine. Despit
The multicellular model organism <i>Caenorhabditis elegans</i> is a small nematode of approximately 1 mm in size in adulthod
<i>Enterococcus faecalis</i> infection can cause serious diseases including cancer development. Recently it has been reported t
Treatment of young spruces with the herbicides aminotriazole and paraquat leads to oxidative stress resulting in a drasti
We have performed a comparative analysis of the effects of age of reproduction on the biochemical (protein, lipid, and g
Age-associated changes in the induction of heme oxygenase (HO-1) and heat shock protein 70 (HSP70) after the administ
MutT enzymes prevent DNA damage by hydrolysis of 8-oxodGTP, an oxidized substrate for DNA synthesis and antimutag

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Oxidation of lipids and proteins is not only a manifestation of aged skin but also potentially causative for age-related aest
Previous studies have shown that dermal fibroblast cell lines derived from young adult mice of the long-lived Snell dwarf
Fatty acids are the major components of the phospholipid bilayer and are involved in several functions of cell membrane
A family of antioxidant proteins, the peroxiredoxins, serve two purposes, detoxification of reactive oxygen species and ce
The mitochondrial genome (mtDNA) is intimately linked to cellular and organismal health, as demonstrated by the fact th
Summary Altering the redox state of cysteine residues on protein surfaces is an important response to environmental ch
This study investigated the resistance to stress as a function of age in Drosophila melanogaster overexpressing Hsp70. Th
Oxidatively damaged bases in DNA cause many types of deleterious effects. The main enzyme that removes such lesions
Blueberry possesses greater antioxidant capacity than most other fruits and vegetables. The present study investigated t
AbstractIntroduction Knowledge about the pharmacological properties of traditional TCM formulas is scarce as is their in
Cockayne Syndrome (CS) is a rare human genetic disorder characterized by progressive multisystem degeneration and se
Experimental studies to observe the effects of environmental factors such as rearing conditions, nutritional status and ex
Lutein is one of the major carotenoids in most fruits and vegetables. The effect of lutein on the lifespan of Drosophila me
The membrane-bound hydrogenase (EC class 1.12) of aerobically grown Escherichia coli cells was solubilized by treatmer
Rabbit bile was examined for changes in composition induced by paraquat. Paraquat was administered intraperitoneally
Carbofuran and malathion, well known pesticides, and paraquat, a world widely used herbicide, were tested on acetylch

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